



Special Sediment Control Fence (SSCF) is hardware cloth faced with sediment control stone to contain sediment in storm water runoff. The velocity of the runoff is reduced allowing soil particles to settle. It may also temporarily pond the runoff, helping to settle or trap sediment before the water passes through the stone. SSCF also allows areas of diffuse flow to be maintained.

AREAS OF USE:

- In areas where excavated basins are not feasible.
- Between toe of fill slopes and stream relocations, where excavated basins are not feasible.
- Use in areas where concentrated flow would exceed limits of Temporary Silt Fence.
- Utilize with Temporary Silt Fence in wetland areas.
- Should not be used where flow will run parallel to the stone and not allow ponding of runoff.

DESIGN CRITERIA:

- The drainage area should not exceed ½ acre.
- Utilize 9-foot sections of SSCF in wetlands to facilitate removal.
- When used in conjunction with Silt Fence, spacing of SSCF sections shall not exceed 200 ft.

CONSTRUCTION SPECIFICATIONS:

- The steel posts shall be installed a minimum of 2 feet deep, and with a maximum spacing of 3 feet.
- The hardware cloth shall be installed at a height of 2 feet, and placed under the sediment control stone.
- Sediment control stone installed on the outer face of the hardware cloth to a height of 1 foot.
- The top of the hardware cloth shall be a minimum of 1 foot below the shoulder or any diversion point.
- SSCF sections used with Silt Fence in wetland areas shall be limited to 9-foot sections to allow for complete removal of sediment control stone, and to minimize impacts to wetlands.



MATERIAL SPECIFICATIONS:

- Hardware cloth shall be a wire mesh with 1/4 inch openings and constructed from 24 gage wire minimum, and having a minimum width of 24 inches, as required in Section 1632-2 of the Standard Specifications.
- Steel posts shall be a minimum of 5 feet long, 1 3/8 inches wide on the face parallel to the hardware cloth, and be of the self-fastener angle steel type. See also Section 1632-2 of the Standard Specifications.
- Sediment control stone shall be #5 or #57 stone that meets the requirements of Section 1005 of the Standard Specifications for these stone sizes.

PAYMENT:

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| • Installation of measure: | |
| 1/4 " Hardware Cloth | Linear Foot |
| Sediment Control Stone | Ton |
| • Silt cleanout of device: | |
| Silt Excavation | Cubic Yard |

MAINTENANCE:

- Inspect the device after each significant rainfall event for damage and sediment accumulation, to insure the device is functioning properly.
- Remove sediment from the device when accumulations reach one-half the height of the sediment control stone.
- Replace or clean the sediment control stone as needed to allow water to drain through the device between rainfall events.
- Rebuild and/or repair the device when it is damaged.
- Repair areas where SSCF becomes undermined due to concentrated flows.

TYPICAL PROBLEMS:

- Sediment accumulations are not removed in a timely fashion, causing sediment to be released offsite.
- Sediment control stone is not cleaned and becomes clogged, preventing proper drainage.
- The device is not rebuilt or repaired when storms, equipment, etc damage it.
- The device is not built wide enough to prevent water from washing around the device. Water should always flow through or over the device, not around.
- Runoff becomes concentrated in areas and undermines the hardware cloth and sediment control stone.